

**PART 70 OPERATING PERMIT
OFFICE OF AIR MANAGEMENT
and
INDIANAPOLIS ENVIRONMENTAL RESOURCES
MANAGEMENT DIVISION**

**Superior Oil Company, Inc.
400 West Regent Street
Indianapolis, Indiana 46225**

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 and 326 IAC 2-1-3.2 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15, IC 13-17 and the Code of Indianapolis and Marion County, Chapter 511.

Operation Permit No.: T097-7395-00286	
Issued by: Janet G. McCabe, Assistant Commissioner Office of Air Management Robert F. Holm, PH.D, Administrator Indianapolis Environmental Resources Management Division	Issuance Date:

TABLE OF CONTENTS

A	SOURCE SUMMARY	5
A.1	General Information [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)]	
A.2	Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)]	
A.3	Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)]	
A.4	Part 70 Permit Applicability [326 IAC 2-7-2]	
B	GENERAL CONDITIONS	7
B.1	Permit No Defense [326 IAC 2-1-10] [IC 13]	
B.2	Definitions [326 IAC 2-7-1]	
B.3	Permit Term [326 IAC 2-7-5(2)]	
B.4	Enforceability [326 IAC 2-7-7(a)]	
B.5	Termination of Right to Operate [326 IAC 2-7-10] [326 IAC 2-7-4(a)]	
B.6	Severability [326 IAC 2-7-5(5)]	
B.7	Property Rights or Exclusive Privilege [326 IAC 2-7-5(6)(D)]	
B.8	Duty to Supplement and Provide Information [326 IAC 2-7-4(b)] [326 IAC 2-7-5(6)(E)]	
B.9	Compliance with Permit Conditions [326 IAC 2-7-5(6)(A)] [326 IAC 2-7-5(6)(B)]	
B.10	Certification [326 IAC 2-7-4(f)] [326 IAC 2-7-6(1)]	
B.11	Annual Compliance Certification [326 IAC 2-7-6(5)]	
B.12	Preventive Maintenance Plan [326 IAC 2-7-5 (1),(3)and(13)][326 IAC 2-7-6 (1)and(6)]	
B.13	Emergency Provisions [326 IAC 2-7-16]	
B.14	Permit Shield [326 IAC 2-7-15]	
B.15	Multiple Exceedances [326 IAC 2-7-5(1)(E)]	
B.16	Deviations from Permit Requirements and Conditions [326 IAC 2-7-5(3)(C)(ii)]	
B.17	Permit Modification, Reopening, Revocation and Reissuance, or Termination	
B.18	Permit Renewal [326 IAC 2-7-4]	
B.19	Permit Amendments or Permit Modifications [326 IAC 2-7-11][326 IAC 2-7-12]	
B.20	Permit Revision Under Economic Incentives and Other Programs	
B.21	Changes Under Section 502(b)(10) of the Clean Air Act [326 IAC 2-7-20(b)]	
B.22	Operational Flexibility [326 IAC 2-7-20]	
B.23	Construction Permit Requirement [326 IAC 2]	
B.24	Inspection and Entry [326 IAC 2-7-6(2)]	
B.25	Transfer of Ownership or Operation [326 IAC 2-1-6] [326 IAC 2-7-11]	
B.26	Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)]	
C	SOURCE OPERATION CONDITIONS	21
	Emission Limitations and Standards [326 IAC 2-7-5(1)]	
C.1	Particulate Matter Emission Limitations For Processes with Process Weight Rates	
C.2	Opacity [326 IAC 5-1]	
C.3	Open Burning [326 IAC 4-1] [IC 13-17-9][Code of Indianapolis and Marion County Code	
C.4	Incineration [326 IAC 4-2] [326 IAC 9-1-2]	
C.5	Fugitive Dust Emissions [326 IAC 6-4] [IAPCB Reg. II-4]	
C.6	Operation of Equipment [326 IAC 2-7-6(6)]	
C.7	Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61.140]	
	Testing Requirements [326 IAC 2-7-6(1)]	
C.8	Performance Testing [326 IAC 3-6]	

Compliance Monitoring Requirements [326 IAC 2-7-5(1)] [326 IAC 2-7-6(1)]

- C.9 Compliance Monitoring [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]
- C.10 Maintenance of Monitoring Equipment [326 IAC 2-7-5(3)(A)(iii)]
- C.11 Monitoring Methods [326 IAC 3]

Corrective Actions and Response Steps [326 IAC 2-7-5] [326 IAC 2-7-6]

- C.12 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]
- C.13 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68.215]
- C.14 Compliance Monitoring Plan - Failure to Take Response Steps [326 IAC 2-7-5][326 IAC 2-7-6] [326 IAC 1-6]
- C.15 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5]

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

- C.16 Emission Statement [326 IAC 2-7-5(3)(C)(iii)] [326 IAC 2-7-5(7)] [326 IAC 2-7-19(c)]
- C.17 Monitoring Data Availability [326 IAC 2-7-6(1)] [326 IAC 2-7-5(3)]
- C.18 General Record Keeping Requirements [326 IAC 2-7-5(3)]
- C.19 General Reporting Requirements [326 IAC 2-7-5(3)(C)]

Stratospheric Ozone Protection

- C.20 Compliance with 40 CFR 82 and 326 IAC 22-1

D.1 FACILITY OPERATION CONDITIONS - Special Processing Unit 31

Emission Limitations and Standards [326 IAC 2-7-5(1)]

Compliance Determination Requirements

Compliance Monitoring Requirements

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

- D.1.1 Record Keeping Requirements

D.2 FACILITY OPERATION CONDITIONS - Tanks 32

Emission Limitations and Standards [326 IAC 2-7-5(1)]

Compliance Determination Requirements

Compliance Monitoring Requirements

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

- D.2.1 Record Keeping Requirements

D.3 FACILITY OPERATION CONDITIONS - Insignificant Activities 34

Emission Limitations and Standards [326 IAC 2-7-5(1)]

- D.3.1 Particulate Emission Limitations from Sources of Indirect Heating [326 IAC 6-2-4]

- D.3.2 Degreasing Operations [326 IAC 8-3-5(a)]

Compliance Determination Requirements

- D.3.3 Testing Requirements [326 IAC 2-7-6(1),(6)]

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

- D.3.4 Record Keeping Requirements

Certification 36

Emergency/Deviation Occurrence Report 37

Semi-annual Compliance Monitoring Report	39
Attachment A (state rules adopted by reference)	40

SECTION A

SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Management (OAM) and the Indianapolis Environmental Resources Management Division (ERMD). The information describing the source contained in conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)]

The Permittee owns and operates an operation of distribution of industrial chemicals and related materials, including blending, container filling and other packaging activities.

Responsible Official: Gary S. Johnson
Source Address: 400 West Regent Street, Indianapolis, Indiana 46225
Mailing Address: 400 West Regent Street, Indianapolis, Indiana 46225
SIC Code: 5169, 7389, 2899
County Location: Marion
County Status: Attainment
Source Status: Part 70 Permit Program
Major Source, Section 112 of the Clean Air Act
Major PSD Source

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5(15)]

This stationary source consists of the following emission units and pollution control devices:

(a) Special Processing Unit, identified as MMP1, with no control equipment, exhausting to stack MMP1, constructed in 1996.

(b) The following tanks over 1 ton per year HAP potential:

Tank 2, fixed roof tank with a storage capacity of 25,000 gallons, constructed in 1995.
Tank 8, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1974.
Tank 9, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1974.
Tank 10, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1974.
Tank 11, fixed roof tank with a storage capacity of 20,000 gallons, constructed in 1973.
Tank 12, fixed roof tank with a storage capacity of 20,000 gallons, constructed in 1973.
Tank 13, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.
Tank 14, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.
Tank 15, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.
Tank 16, fixed roof tank with a storage capacity of 20,000 gallons, constructed in 1973.
Tank 17, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1974.
Tank 18, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1972.
Tank 19, fixed roof tank with a storage capacity of 20,000 gallons, constructed in 1973.
Tank 20, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.
Tank 21, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.
Tank 22, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.
Tank 23, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.
Tank 24, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.
Tank 25, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1981.
Tank 26, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.

Tank 27, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.
Tank 28, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.
Tank 29, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.
Tank 41, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1972.
Tank 42, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1973.
Tank 43, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1973.
Tank 44, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1973.
Tank 45, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1973.
Tank 46, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1972.
Tank 47, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1972.
Tank 48, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1973.
Tank 49, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1973.
Tank 50, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.
Tank 51, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1979.
Tank 52, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1979.
Tank 53, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1979.
Tank 55, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.
Tank 56, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1981.
Tank 57, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1979.
Tank 58, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1981.
Tank 59, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1981.
Tank 80, fixed roof tank with a storage capacity of 20,000 gallons, constructed in 1979.
Tank 81, fixed roof tank with a storage capacity of 20,000 gallons, constructed in 1979.

A.3 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)]
[326 IAC 2-7-5(15)]

This stationary source also includes the following insignificant activities which are specifically regulated, as defined in 326 IAC 2-7-1(21):

- (1) Natural gas-fired combustion sources with heat input equal to or less than ten (10) million Btu per hour.
 - (a) Identified as HO 1, 8.5MMBtu/hr.
- (2) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6.

A.4 Part 70 Permit Applicability [326 IAC 2-7-2]

This stationary source is required to have a Part 70 permit by 326 IAC 2-7-2 (Applicability) because:

- (a) It is a major source, as defined in 326 IAC 2-7-1(22).
- (b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

GENERAL CONDITIONS

- (a) Indiana statutes from IC 13 and rules from 326 IAC, quoted in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a Part 70 permit under 326 IAC 2-7.
- (b) This prohibition shall not apply to alleged violations of applicable requirements for which the Commissioner has granted a permit shield in accordance with 326 IAC 2-1-3.2 or 326 IAC 2-7-15, as set out in this permit in the Section B condition entitled "Permit Shield."

Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, any applicable definitions found in IC 13-11, Code of Indianapolis and Marion County Section 511-102, 326 IAC 1-2 , IAPCB Reg. 1-2-2 and 326 IAC 2-7 shall prevail.

This permit is issued for a fixed term of five (5) years from the effective date, as determined in accordance with IC 4-21.5-3-5(f), IC 13-15-5-3 and Code of Indianapolis and Marion County Section 511-503.

- (a) Unless otherwise stated, all terms and conditions in this permit, including any provisions designed to limit the sources potential to emit, are enforceable by IDEM.
- (b) The IAPCB has adopted by reference state rules listed in Attachment A of this permit. The version adopted by reference includes all amendments, additions and repeals filed with the Secretary of State through August 10, 1997 and published in the Indiana Register September 1, 1997, unless otherwise indicated in the adoption by reference. For the purposes of this permit, all state rules adopted by reference by the IAPCB are enforceable by ERMD using local enforcement procedures.
- (c) Unless otherwise stated, terms and conditions of this permit, including any provisions to limit the source's potential to emit, are enforceable by the United States Environmental Protection Agency (U.S. EPA) and citizens under the Clean Air Act.
- (d) All terms and conditions in this permit that are local requirements, including any provisions designed to limit the source's potential to emit, are enforceable by ERMD using local enforcement procedures.

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-7-3 and 326 IAC 2-7-4(a).

The provisions of this permit are severable; a determination that any portion of this permit is invalid shall not affect the validity of the remainder of the permit.

B.7 Property Rights or Exclusive Privilege [326 IAC 2-7-5(6)(D)]

This permit does not convey any property rights of any sort, or any exclusive privilege.

B.8 Duty to Supplement and Provide Information [326 IAC 2-7-4(b)] [326 IAC 2-7-5(6)(E)]

- (a) The Permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Management
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

and

Environmental Resources Management Division
Air Quality Management Section, Permitting
2700 South Belmont Avenue
Indianapolis, Indiana 46221

- (b) The Permittee shall furnish to IDEM, OAM, and ERMD within a reasonable time, any information that IDEM, OAM, and ERMD may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit.
- (c) Upon request, the Permittee shall also furnish to IDEM, OAM, and ERMD copies of records required to be kept by this permit. If the Permittee wishes to assert a claim of confidentiality over any of the furnished records, the Permittee must furnish such records to IDEM, OAM, and ERMD along with a claim of confidentiality under 326 IAC 17. If requested by IDEM, OAM, or the U.S. EPA, to furnish copies of requested records directly to U. S. EPA, and if the Permittee is making a claim of confidentiality regarding the furnished records, then the Permittee must furnish such confidential records directly to the U.S. EPA along with a claim of confidentiality under 40 CFR 2, Subpart B.

B.9 Compliance with Permit Conditions [326 IAC 2-7-5(6)(A)] [326 IAC 2-7-5(6)(B)]

- (a) The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit constitutes a violation of the Clean Air Act and is grounds for:
- (1) Enforcement action;
 - (2) Permit termination, revocation and reissuance, or modification; or
 - (3) Denial of a permit renewal application.
- (b) It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

B.10 Certification [326 IAC 2-7-4(f)] [326 IAC 2-7-6(1)]

- (a) Any application form, report, or compliance certification submitted under this permit shall contain certification by a responsible official of truth, accuracy, and completeness.

This certification, and any other certification required under this permit, shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

- (b) One (1) certification shall be included, on the attached Certification Form, with each submittal.
- (c) A responsible official is defined at 326 IAC 2-7-1(34).

B.11 Annual Compliance Certification [326 IAC 2-7-6(5)]

- (a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. The certification shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted in letter form no later than April 15 of each year to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Management
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

and

Environmental Resources Management Division
Air Quality Management Section, Data Compliance
2700 South Belmont Avenue
Indianapolis, Indiana 46221

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Air Enforcement Branch - Indiana (AE-17J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

- (b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAM, and ERMD on or before the date it is due.
- (c) The annual compliance certification report shall include the following:
 - (1) The identification of each term or condition of this permit that is the basis of the certification;
 - (2) The compliance status;
 - (3) Whether compliance was continuous or intermittent;
 - (4) The methods used for determining compliance of the source, currently and over the reporting period consistent with 326 IAC 2-7-5(3);

- (5) Any insignificant activity that has been added without a permit revision; and
- (6) Such other facts, as specified in Sections D of this permit, as IDEM, OAM, and ERMD may require to determine the compliance status of the source.

The submittal by the Permittee does require the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).

B.12 Preventive Maintenance Plan [326 IAC 2-7-5(1),(3) and (13)] [326 IAC 2-7-6(1) and (6)]
[326 IAC 1-6-3]

(a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMP) within ninety (90) days (this time frame is determined on a case by case basis but no more than ninety (90) days) after issuance of this permit, including the following information on each facility:

- (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
- (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions;
- (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

If due to circumstances beyond its control, the PMP cannot be prepared and maintained within the above time frame, the Permittee may extend the date an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Management
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

and

Environmental Resources Management Division
Air Quality Management Section, Data Compliance
2700 South Belmont Avenue
Indianapolis, Indiana 46221

- (b) The Permittee shall implement the Preventive Maintenance Plans as necessary to ensure that lack of proper maintenance does not cause or contribute to a violation of any limitation on emissions or potential to emit.
- (c) PMP's shall be submitted to IDEM, OAM, and ERMD upon request and shall be subject to review and approval by IDEM, OAM, and ERMD.

B.13 Emergency Provisions [326 IAC 2-7-16]

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation, except as provided in 326 IAC 2-7-16.

- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:
- (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
 - (2) The permitted facility was at the time being properly operated;
 - (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;
 - (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAM, and ERMD within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Management, Compliance Section), or
Telephone Number: 317-233-5674 (ask for Compliance Section)
Facsimile Number: 317-233-5967

ERMD

Telephone No.: 317-327-2234 (ask for Data Compliance)
Facsimile No.: 317-327-2274

- (5) For each emergency lasting one (1) hour or more, the Permittee submitted notice, either in writing or facsimile, of the emergency to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Management
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

and

Environmental Resources Management Division
Air Quality Management Section, Data Compliance
2700 South Belmont Avenue
Indianapolis, Indiana 46221

within two (2) working days of the time when emission limitations were exceeded due to the emergency.

The notice fulfills the requirement of 326 IAC 2-7-5(3)(C)(ii) and must contain the following:

- (A) A description of the emergency;

(B) Any steps taken to mitigate the emissions; and

(C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(6) The Permittee immediately took all reasonable steps to correct the emergency.

(c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.

(d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions) for sources subject to this rule after the effective date of this rule. This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.

(e) IDEM, OAM, and ERMD may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4-(c)(9) be revised in response to an emergency.

(f) Failure to notify IDEM, OAM, and ERMD by telephone or facsimile of an emergency lasting more than one (1) hour in compliance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.

(g) Operations may continue during an emergency only if the following conditions are met:

(1) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.

(2) If an emergency situation causes a deviation from a health-based limit, the Permittee may not continue to operate the affected emissions facilities unless:

(A) The Permittee immediately takes all reasonable steps to correct the emergency situation and to minimize emissions; and

(B) Continued operation of the facilities is necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value.

Any operation shall continue no longer than the minimum time required to prevent the situations identified in (g)(2)(B) of this condition.

B.14 Permit Shield [326 IAC 2-7-15]

(a) This condition provides a permit shield as addressed in 326 IAC 2-7-15.

(b) This permit shall be used as the primary document for determining compliance with applicable requirements established by previously issued permits. Compliance with the conditions of this permit shall be deemed in compliance with any applicable requirements as of the date of permit issuance, provided that:

- (1) The applicable requirements are included and specifically identified in this permit;
or
 - (2) The permit contains an explicit determination or concise summary of a determination that other specifically identified requirements are not applicable.
- (c) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, including any term or condition from a previously issued construction or operation permit, IDEM, OAM, and ERMD shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.
- (d) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application.
- (e) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:
- (1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;
 - (2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;
 - (3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and
 - (4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.
- (f) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).
- (g) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAM, and ERMD has issued the modifications. [326 IAC 2-7-12(c)(7)]
- (h) This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAM, and ERMD has issued the modification. [326 IAC 2-7-12(b)(8)]

B.15 Multiple Exceedances [326 IAC 2-7-5(1)(E)]

Any exceedance of a permit limitation or condition contained in this permit, which occurs contemporaneously with an exceedance of an associated surrogate or operating parameter established to detect or assure compliance with that limit or condition, both arising out of the same act or occurrence, shall constitute a single potential violation of this permit.

B.16 Deviations from Permit Requirements and Conditions [326 IAC 2-7-5(3)(C)(ii)]

- (a) Deviations from any permit requirements (for emergencies see Section B - Emergency Provisions), the probable cause of such deviations, and any response steps or preventive measures taken shall be reported to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Management
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

Environmental Resources Management Division
Air Quality Management Section, Data Compliance
2700 South Belmont Avenue
Indianapolis, Indiana 46221

within ten (10) calendar days from the date of the discovery of the deviation.

- (b) A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit or a rule. It does not include:
- (1) An excursion from compliance monitoring parameters as identified in Section D of this permit unless tied to an applicable rule or limit; or
 - (2) An emergency as defined in 326 IAC 2-7-1(12); or
 - (3) Failure to implement elements of the Preventive Maintenance Plan unless lack of maintenance has caused or contributed to a deviation.
 - (4) Failure to make or record information required by the compliance monitoring provisions of Section D unless such failure exceeds 5% of the required data in any calendar quarter.

A Permittee's failure to take the appropriate response step when an excursion of a compliance monitoring parameter has occurred is a deviation.

- (c) Written notification shall be submitted on the attached Emergency/Deviation Occurrence Reporting Form or its substantial equivalent. The notification does not need to be certified by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (d) Proper notice submittal under 326 IAC 2-7-16 satisfies the requirement of this subsection.

B.17 Permit Modification, Reopening, Revocation and Reissuance, or Termination
[326 IAC 2-7-5(6)(C)] [326 IAC 2-7-8(a)] [326 IAC 2-7-9]

- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)]

- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAM, and ERMD determines any of the following:
 - (1) That this permit contains a material mistake.
 - (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.
 - (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-7-9(a)(3)]
- (c) Proceedings by IDEM, OAM, and ERMD to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-7-9(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-7-9(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAM, and ERMD at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAM, and ERMD may provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]

B.18 Permit Renewal [326 IAC 2-7-4]

- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAM, and ERMD and shall include the information specified in 326 IAC 2-7-4. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Management
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

Environmental Resources Management Division
Air Quality Management Section, Permitting
2700 South Belmont Avenue
Indianapolis, Indiana 46221

- (b) Timely Submittal of Permit Renewal [326 IAC 2-7-4(a)(1)(D)]
 - (1) A timely renewal application is one that is:
 - (A) Submitted at least nine (9) months prior to the date of the expiration of this permit; and

- (B) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAM, and ERMD on or before the date it is due. [326 IAC 2-5-3]
- (2) If IDEM, OAM, and ERMD, upon receiving a timely and complete permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.
- (c) Right to Operate After Application for Renewal [326 IAC 2-7-3]
If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-7 until IDEM, OAM, and ERMD, takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAM, and ERMD, any additional information identified as being needed to process the application.
- (d) United States Environmental Protection Agency Authority [326 IAC 2-7-8(e)]
If IDEM, OAM, and ERMD fails to act in a timely way on a Part 70 permit renewal, the U.S. EPA may invoke its authority under Section 505(e) of the Clean Air Act to terminate or revoke and reissue a Part 70 permit.

B.19 Permit Amendment or Modification [326 IAC 2-7-11] [326 IAC 2-7-12]

- (a) The Permittee must comply with the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 whenever the Permittee seeks to amend or modify this permit.
- (b) Any application requesting an amendment or modification of this permit shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Management
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

Environmental Resources Management Division
Air Quality Management Section, Permitting
2700 South Belmont Avenue
Indianapolis, Indiana 46221

Any such application should be certified by the "responsible official" as defined by 326 IAC 2-7-1(34) only if a certification is required by the terms of the applicable rule.

- (c) The Permittee may implement the administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

B.20 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)]
[326 IAC 2-7-12 (b)(2)]

- (a) No Part 70 permit revision shall be required under any approved economic incentives, marketable Part 70 permits, emissions trading, and other similar programs or processes for changes that are provided for in a Part 70 permit.
- (b) Notwithstanding 326 IAC 2-7-12(b)(1)(D)(i) and 326 IAC 2-7-12(c)(1), minor Part 70 permit modification procedures may be used for Part 70 modifications involving the use of economic incentives, marketable Part 70 permits, emissions trading, and other similar approaches to the extent that such minor Part 70 permit modification procedures are explicitly provided for in the applicable State Implementation Plan (SIP) or in applicable requirements promulgated or approved by the U.S. EPA.

B.21 Changes Under Section 502(b)(10) of the Clean Air Act [326 IAC 2-7-20(b)]

The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(36)) without a permit revision, subject to the constraint of 326 IAC 2-7-20(a) and the following additional conditions:

- (a) For each such change, the required written notification shall include a brief description of the change within the source, the date on which the change will occur, any change in emissions, and any permit term or condition that is no longer applicable as a result of the change.
- (b) The permit shield, described in 326 IAC 2-7-15, shall not apply to any change made under 326 IAC 2-7-20(b).

B.22 Operational Flexibility [326 IAC 2-7-20]

- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b), (c), or (e), without a prior permit revision, if each of the following conditions is met:

- (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
- (2) Any approval required by 326 IAC 2-1 and IAPCB Reg. 2-1-1 has been obtained;
- (3) The changes do not result in emissions which exceed the emissions allowable under this permit (whether expressed herein as a rate of emissions or in terms of total emissions);
- (4) The Permittee notifies the:

Indiana Department of Environmental Management
Permits Branch, Office of Air Management
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

and

Environmental Resources Management Division
Air Quality Management Section, Permitting
2700 South Belmont Avenue
Indianapolis, Indiana 46221

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

in advance of the change by written notification at least ten (10) days in advance of the proposed change. The Permittee shall attach every such notice to the Permittee's copy of this permit; and

- (5) The Permittee maintains records on-site which document, on a rolling five (5) year basis, all such changes and emissions trading that are subject to 326 IAC 2-7-20(b), (c), or (e) and makes such records available, upon reasonable request, for public review.

Such records shall consist of all information required to be submitted to IDEM, OAM, and ERMD in the notices specified in 326 IAC 2-7-20(b), (c)(1), and (e)(2).

- (b) For each such Section 502(b)(10) of the Clean Air Act change, the required written notification shall include the following:
- (1) A brief description of the change within the source;
 - (2) The date on which the change will occur;
 - (3) Any change in emissions; and
 - (4) Any permit term or condition that is no longer applicable as a result of the change.
- The notification which shall be submitted by the Permittee does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) Emission Trades [326 IAC 2-7-20(c)]
The Permittee may trade increases and decreases in emissions in the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c).
- (d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAM, or U.S. EPA is required.
- (e) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

B.23 Construction Permit Requirement [326 IAC 2] [IAPCB Reg. 2-1-1]

Except as allowed by Indiana P.L. 130-1996 Section 12, as amended by P.L. 244-1997, modification, construction, or reconstruction shall be approved as required by and in accordance with 326 IAC 2 and IAPCB Reg. 2-1-1.

B.24 Inspection and Entry [326 IAC 2-7-6(2)]

Upon presentation of proper identification cards, credentials, and other documents as may be required by law, the Permittee shall allow IDEM, OAM, ERMD, U.S. EPA, or an authorized representative to perform the following:

- (a) Enter upon the Permittee's premises where a Part 70 source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- (c) Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- (d) Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) Utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.
[326 IAC 2-7-6(6)]
 - (1) The Permittee may assert a claim that, in the opinion of the Permittee, information removed or about to be removed from the source by IDEM, OAM, and ERMD or an authorized representative, contains information that is confidential under IC 5-14-3-4(a). The claim shall be made in writing before or at the time the information is removed from the source. In the event that a claim of confidentiality is so asserted, neither IDEM, OAM, and ERMD nor an authorized representative, may disclose the information unless and until IDEM, OAM, and ERMD makes a determination under 326 IAC 17-1-7 through 326 IAC 17-1-9 and IAPCB Reg. 17 that the information is not entitled to confidential treatment and that determination becomes final. [IC 5-14-3-4; IC 13-14-11-3; 326 IAC 17-1-7 through 326 IAC 17-1-9][IAPCB Reg. 17]
 - (2) The Permittee, IDEM, OAM, and ERMD acknowledge that the federal law applies to claims of confidentiality made by the Permittee with regard to information removed or about to be removed from the source by U.S. EPA. [40 CFR Part 2, Subpart B]

B.25 Transfer of Ownership or Operation [326 IAC 2-1-6] [326 IAC 2-7-11]

Pursuant to 326 IAC 2-1-6 and 326 IAC 2-7-11:

- (a) In the event that ownership of this source is changed, the Permittee shall notify IDEM, OAM, Permits Branch and ERMD, within thirty (30) days of the change. Notification shall include a written agreement containing a specific date for transfer of permit responsibility, coverage, and liability between the Permittee and the new owner.

- (b) The written notification shall be sufficient to transfer the permit to the new owner by an administrative amendment pursuant to 326 IAC 2-7-11. The notification which shall be submitted by the Permittee does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) IDEM, OAM, and ERMD shall reserve the right to issue a new permit.

B.26 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)]

- (a) The Permittee shall pay annual fees to IDEM, OAM, and ERMD, within thirty (30) calendar days of receipt of a billing. If the Permittee does not receive a bill from IDEM, OAM the applicable fee is due April 1 of each year.
- (b) Failure to pay may result in administrative enforcement action, or revocation of this permit.
- (c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-0425 (ask for OAM, Technical Support and Modeling Section), to determine the appropriate permit fee.

SECTION C

SOURCE OPERATION CONDITIONS

Entire Source

Emission Limitations and Standards [326 IAC 2-7-5(1)]

C.1 Particulate Matter Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) pounds per hour [326 IAC 6-3-2(c)]

Pursuant to 326 IAC 6-3-2(c), the allowable particulate matter emissions rate from any process not already regulated by 326 IAC 6-1 or any New Source Performance Standard, and which has a maximum process weight rate less than 100 pounds per hour shall not exceed 0.551 pounds per hour.

C.2 Opacity [326 IAC 5-1]

Pursuant to 326 IAC 5-1-2 (Visible Emissions Limitations), except as provided in 326 IAC 5-1-3 (Temporary Exemptions), opacity shall meet the following, unless otherwise stated in this permit:

- (a) Opacity shall not exceed an average of thirty percent (30%), any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings) as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

C.3 Open Burning [326 IAC 4-1] [IC 13-17-9]

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1. 326 IAC 4-1-3 (a)(2)(A) and (B) are not federally enforceable.

The Permittee shall not open burn any material except as provided in Chapter 4, Code of Indianapolis and Marion County and IAPCB Reg 4-1. Provisions of the code that are more stringent than 326 IAC 4-1 are locally enforceable only by ERMD.

C.4 Incineration [326 IAC 4-2][326 IAC 9-1-2]

The Permittee shall not operate an incinerator or incinerate any waste or refuse except as provided in 326 IAC 4-2 and 326 IAC 9-1-2.

C.5 Fugitive Dust Emissions [326 IAC 6-4] [IAPCB Reg. II-4]

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions) and IAPCB Reg. II-4. 326 IAC 6-4-2(4) and IAPCB Reg. II-4 is not federally enforceable.

C.6 Operation of Equipment [326 IAC 2-7-6(6)]

All air pollution control equipment listed in this permit and used to comply with an applicable requirement shall be operated at all times that the emission units vented to the control equipment are in operation.

C.7 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61.140]

- (a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.
- (b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:
 - (1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or
 - (2) If there is a change in the following:
 - (A) Asbestos removal or demolition start date;
 - (B) Removal or demolition contractor; or
 - (C) Waste disposal site.
- (c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).
- (d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Asbestos Section, Office of Air Management
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

Environmental Resources Management Division
2700 South Belmont Avenue
Indianapolis, Indiana 46221

The notifications do not require a certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (e) Procedures for Asbestos Emission Control
The Permittee shall comply with the emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-4 emission control requirements are mandatory for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.
- (f) Indiana Accredited Asbestos Inspector
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement that the inspector be accredited is federally enforceable.

Testing Requirements [326 IAC 2-7-6(1)]

C.8 Performance Testing [326 IAC 3-6]

- (a) All testing shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing methods approved by IDEM, OAM.

A test protocol, except as provided elsewhere in this permit, shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Management
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

and

Environmental Resources Management Division
Air Quality Management Section, Data Compliance
2700 South Belmont Avenue
Indianapolis, Indiana 46221

no later than thirty-five (35) days prior to the intended test date. The Permittee shall submit a notice of the actual test date to the above address so that it is received at least two weeks prior to the test date.

- (b) All test reports must be received by IDEM, OAM within forty-five (45) days after the completion of the testing. An extension may be granted by the Commissioner, if the source submits to IDEM, OAM, a reasonable written explanation within five (5) days prior to the end of the initial forty-five (45) day period.

The documentation submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

Compliance Monitoring Requirements [326 IAC 2-7-5(1)] [326 IAC 2-7-6(1)]

C.9 Compliance Monitoring [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

Compliance with applicable requirements shall be documented as required by this permit. The Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment, no more than ninety (90) days (this time frame is determined on a case by case basis, but no more than ninety (90) days) after receipt of this permit. If due to circumstances beyond its control, this schedule cannot be met, the Permittee may extend compliance schedule an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Management
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

and

Environmental Resources Management Division
Air Quality Management Section, Data Compliance
2700 South Belmont Avenue
Indianapolis, Indiana 46221

in writing, prior to the end of the initial ninety (90) day compliance schedule with full justification of the reasons for the inability to meet this date.

The notification which shall be submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

C.10 Maintenance of Monitoring Equipment [326 IAC 2-7-5(3)(A)(iii)]

- (a) In the event that a breakdown of the monitoring equipment occurs, a record shall be made of the times and reasons of the breakdown and efforts made to correct the problem. To the extent practicable, supplemental or intermittent monitoring of the parameter should be implemented at intervals no less frequent than required in Section D of this permit until such time as the monitoring equipment is back in operation. In the case of continuous monitoring, supplemental or intermittent monitoring of the parameter should be implemented at intervals no less than one (1) hour (this time frame is determined on a case by case basis) until such time as the continuous monitor is back in operation.
- (b) The Permittee shall install, calibrate, quality assure, maintain, and operate all necessary monitors and related equipment. In addition, prompt corrective action shall be initiated whenever indicated.

C.11 Monitoring Methods [326 IAC 3]

Any monitoring or testing performed to meet the applicable requirements of this permit shall be performed according to the provisions of 326 IAC 3, 40 CFR 60, Appendix A, or other approved methods as specified in this permit.

Corrective Actions and Response Steps [326 IAC 2-7-5] [326 IAC 2-7-6]

C.12 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

Pursuant to 326 IAC 1-5-2 (Emergency Reduction Plans; Submission):

- (a) The Permittee shall prepare written emergency reduction plans (ERPs) consistent with safe operating procedures.

- (b) These ERPs shall be submitted for approval to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Management
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

Environmental Resources Management Division
Air Quality Management Section, Data Compliance
2700 South Belmont Avenue
Indianapolis, Indiana 46221

within ninety (90) days after the date of issuance of this permit.

The ERP does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (c) If the ERP is disapproved by IDEM, OAM, **and**, the Permittee shall have an additional thirty (30) days to resolve the differences and submit an approvable ERP.
- (d) These ERPs shall state those actions that will be taken, when each episode level is declared, to reduce or eliminate emissions of the appropriate air pollutants.
- (e) Said ERPs shall also identify the sources of air pollutants, the approximate amount of reduction of the pollutants, and a brief description of the manner in which the reduction will be achieved.
- (f) Upon direct notification by IDEM, OAM, and ERMD, that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

C.13 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68.215]

If a regulated substance, subject to 40 CFR 68, is present in a process in more than the threshold quantity, 40 CFR 68 is an applicable requirement and the Permittee shall:

- (a) Submit:
 - (1) A compliance schedule for meeting the requirements of 40 CFR 68 by the date provided in 40 CFR 68.10(a); or
 - (2) As a part of the compliance certification submitted under 326 IAC 2-7-6(5), a certification statement that the source is in compliance with all the requirements of 40 CFR 68, including the registration and submission of a Risk Management Plan (RMP); and
 - (3) A verification to IDEM, OAM, and ERMD that a RMP or a revised plan was prepared and submitted as required by 40 CFR 68.
- (b) Provide annual certification to IDEM, OAM, and ERMD that the Risk Management Plan is being properly implemented.

All documents submitted pursuant to this condition shall include the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

C.14 Compliance Monitoring Plan - Failure to Take Response Steps [326 IAC 2-7-5][326 IAC 2-7-6]
[326 IAC 1-6]

-
- (a) The Permittee is required to implement a compliance monitoring plan to ensure that reasonable information is available to evaluate its continuous compliance with applicable requirements. This compliance monitoring plan is comprised of:
 - (1) This condition;
 - (2) The Compliance Determination Requirements in Section D of this permit;
 - (3) The Compliance Monitoring Requirements in Section D of this permit;
 - (4) The Record Keeping and Reporting Requirements in Section C (Monitoring Data Availability, General Record Keeping Requirements, and General Reporting Requirements) and in Section D of this permit; and
 - (5) A Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. CRP's shall be submitted to IDEM, OAM and ERMD upon request and shall be subject to review and approval by IDEM, OAM, and ERMD. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee and maintained on site, and is comprised of :
 - (A) Response steps that will be implemented in the event that compliance related information indicates that a response step is needed pursuant to the requirements of Section D of this permit; and
 - (B) A time schedule for taking such response steps including a schedule for devising additional response steps for situations that may not have been predicted.

- (b) For each compliance monitoring condition of this permit, appropriate response steps shall be taken when indicated by the provisions of that compliance monitoring condition. Failure to perform the actions detailed in the compliance monitoring conditions or failure to take the response steps within the time prescribed in the Compliance Response Plan, shall constitute a violation of the permit unless taking the response steps set forth in the Compliance Response Plan would be unreasonable.
- (c) After investigating the reason for the excursion, the Permittee is excused from taking further response steps for any of the following reasons:
 - (1) The monitoring equipment malfunctioned, giving a false reading. This shall be an excuse from taking further response steps providing that prompt action was taken to correct the monitoring equipment.
 - (2) The Permittee has determined that the compliance monitoring parameters established in the permit conditions are technically inappropriate, has previously submitted a request for an administrative amendment to the permit, and such request has not been denied or;
 - (3) An automatic measurement was taken when the process was not operating; or
 - (4) The process has already returned to operating within "normal" parameters and no response steps are required.
- (d) Records shall be kept of all instances in which the compliance related information was not met and of all response steps taken. In the event of an emergency, the provisions of 326 IAC 2-7-16 (Emergency Provisions) requiring prompt corrective action to mitigate emissions shall prevail.

C.15 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5]
[326 IAC 2-7-6]

- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate corrective actions. The Permittee shall submit a description of these corrective actions to IDEM, OAM and ERMD, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize emissions from the affected facility while the corrective actions are being implemented. IDEM, OAM and ERMD shall notify the Permittee within thirty (30) days, if the corrective actions taken are deficient. The Permittee shall submit a description of additional corrective actions taken to IDEM, OAM and ERMD within thirty (30) days of receipt of the notice of deficiency. IDEM, OAM and ERMD reserves the authority to use enforcement activities to resolve noncompliant stack tests.
- (b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAM that retesting in one-hundred and twenty (120) days is not practicable, IDEM, OAM may extend the retesting deadline. Failure of the second test to demonstrate compliance with the appropriate permit conditions may be grounds for immediate revocation of the permit to operate the affected facility.

The documents submitted pursuant to this condition do not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

C.16 Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)][326 IAC 2-6]

- (a) The Permittee shall submit an, annual emission statement certified pursuant to the requirements of 326 IAC 2-6, that must be received by April 15th of each year and must comply with the minimum requirements specified in 326 IAC 2-6-4. The annual emission statement shall meet the following requirements:
 - (1) Contain actual emissions of criteria pollutants from the source, in compliance with 326 IAC 2-6 (Emission Reporting);
 - (2) Contain actual emissions of other regulated pollutants from the source, for purposes of Part 70 fee assessment.
- (b) The annual emission statement covers the twelve (12) consecutive month time period starting December 1 and ending November 30. The annual emission statement must be submitted to:

C.17 Monitoring Data Availability [326 IAC 2-7-6(1)] [326 IAC 2-7-5(3)]

- (a) With the exception of performance tests conducted in accordance with Section C-Performance Testing, all observations, sampling, maintenance procedures, and record keeping, required as a condition of this permit shall be performed at all times the equipment is operating at normal representative conditions.
- (b) As an alternative to the observations, sampling, maintenance procedures, and record keeping of subsection (a) above, when the equipment listed in Section D of this permit is not operating, the Permittee shall either record the fact that the equipment is shut down or perform the observations, sampling, maintenance procedures, and record keeping that would otherwise be required by this permit.
- (c) If the equipment is operating but abnormal conditions prevail, additional observations and sampling should be taken with a record made of the nature of the abnormality.
- (d) If for reasons beyond its control, the operator fails to make required observations, sampling, maintenance procedures, or record keeping, reasons for this must be recorded.
- (e) At its discretion, IDEM and ERMD may excuse such failure providing adequate justification is documented and such failures do not exceed five percent (5%) of the operating time in any quarter.
- (f) Temporary, unscheduled unavailability of staff qualified to perform the required observations, sampling, maintenance procedures, or record keeping shall be considered a valid reason for failure to perform the requirements stated in (a) above.

C.18 General Record Keeping Requirements [326 IAC 2-7-5(3)][326 IAC 2-7-6]

- (a) Records of all required monitoring data and support information shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application.

These records shall be kept at the source location for a minimum of three (3) years and available upon the request of an IDEM, OAM, or ERMD representative. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner or ERMD makes a written request for records to the Permittee, the Permittee shall furnish the records to the Commissioner or ERMD within a reasonable time.

- (b) Records of required monitoring information shall include, where applicable:
 - (1) The date, place, and time of sampling or measurements;
 - (2) The dates analyses were performed;
 - (3) The company or entity performing the analyses;
 - (4) The analytic techniques or methods used;
 - (5) The results of such analyses; and
 - (6) The operating conditions existing at the time of sampling or measurement.
- (c) Support information shall include, where applicable:
 - (1) Copies of all reports required by this permit;
 - (2) All original strip chart recordings for continuous monitoring instrumentation;
 - (3) All calibration and maintenance records;
 - (4) Records of preventive maintenance shall be sufficient to demonstrate that improper maintenance did not cause or contribute to a violation of any limitation on emissions or potential to emit. To be relied upon subsequent to any such violation, these records may include, but are not limited to: work orders, parts inventories, and operator's standard operating procedures. Records of response steps taken shall indicate whether the response steps were performed in accordance with the Compliance Response Plan required by Section C - Compliance Monitoring Plan - Failure to take Response Steps, of this permit, and whether a deviation from a permit condition was reported. All records shall briefly describe what maintenance and response steps were taken and indicate who performed the tasks.
- (d) All record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

C.19 General Reporting Requirements [326 IAC 2-7-5(3)(C)]

- (a) To affirm that the source has met all the compliance monitoring requirements stated in this permit the source shall submit a Quarterly Compliance Monitoring Report. Any deviation from the requirements and the date(s) of each deviation must be reported.
- (b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Management
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

and

Environmental Resources Management Division
Air Quality Management Section, Data Compliance
2700 South Belmont Avenue
Indianapolis, Indiana 46221

- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAM, and ERMD on or before the date it is due.
- (d) Unless otherwise specified in this permit, any quarterly report shall be submitted within thirty (30) days of the end of the reporting period.
- (e) All instances of deviations as described in Section B- Deviations from Permit Requirements Conditions must be clearly identified in such reports.
- (f) Any corrective actions or response steps taken as a result of each deviation must be clearly identified in such reports.

(g)

The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period.

The documents submitted pursuant to this condition do not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

Stratospheric Ozone Protection

C.20 Compliance with 40 CFR 82 and 326 IAC 22-1

Pursuant to 40 CFR 82 (Protection of Stratospheric Ozone), Subpart F, except as provided for motor vehicle air conditioners in Subpart B, the Permittee shall comply with the standards for recycling and emissions reduction:

- (a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156.
- (b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.

- (c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

SECTION 1.2 FACILITY OPERATION CONDITIONS

- | |
|--|
| (1) Special Processing Unit, identified as MMP1, with no control equipment, exhausting to stack MMP1, constructed in 1996. |
|--|

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.1.1 BACT [326 IAC 8-1-6]

8-1-6 does not apply to the Special Processing Unit. However, Office of Air Management (OAM) approval shall be obtained prior to operating the unit at a rate of 25 tons of VOC per year or more.

Compliance Determination Requirement

D.1.2 There are no applicable requirements

Compliance Monitoring Requirement

D.1.3 There are no applicable requirements

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.1.4 Record Keeping Requirements

- (a) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

SECTION D.2

FACILITY OPERATION CONDITIONS

(b) The following tanks over 1 ton per year HAP potential:

Tank 2, fixed roof tank with a storage capacity of 25,000 gallons, constructed in 1995.
Tank 8, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1974.
Tank 9, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1974.
Tank 10, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1974.
Tank 11, fixed roof tank with a storage capacity of 20,000 gallons, constructed in 1973.
Tank 12, fixed roof tank with a storage capacity of 20,000 gallons, constructed in 1973.
Tank 13, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.
Tank 14, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.
Tank 15, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.
Tank 16, fixed roof tank with a storage capacity of 20,000 gallons, constructed in 1973.
Tank 17, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1974.
Tank 18, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1972.
Tank 19, fixed roof tank with a storage capacity of 20,000 gallons, constructed in 1973.
Tank 20, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.
Tank 21, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.
Tank 22, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.
Tank 23, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.
Tank 24, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.
Tank 25, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1981.
Tank 26, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.
Tank 27, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.
Tank 28, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.
Tank 29, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.
Tank 41, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1972.
Tank 42, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1973.
Tank 43, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1973.
Tank 44, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1973.
Tank 45, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1973.
Tank 46, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1972.
Tank 47, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1972.
Tank 48, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1973.
Tank 49, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1973.
Tank 50, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.
Tank 51, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1979.
Tank 52, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1979.
Tank 53, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1979.
Tank 55, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.
Tank 56, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1981.
Tank 57, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1979.
Tank 58, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1981.
Tank 59, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1981.
Tank 80, fixed roof tank with a storage capacity of 20,000 gallons, constructed in 1979.
Tank 81, fixed roof tank with a storage capacity of 20,000 gallons, constructed in 1979.

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.2.1 There are no applicable requirements

Compliance Determination Requirement

D.2.2 There are no applicable requirements

Compliance Monitoring Requirement

D.2.3 There are no applicable requirements

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.2.4 Record Keeping Requirements

- (a) All records shall be maintained in accordance with New Source Performance Standard, 326 IAC 12, (40 CFR 60.116(a) & (b), Subpart Kb.

SECTION D.3 INSIGNIFICANT ACTIVITIES

(1)	Natural gas fired hot oil heater, identified as HO 1, with a maximum capacity of 8.25 MMBtu/hr, using no control equipment, and exhausting to stack I.D.# HO 1, installed in 1996.
(2)	Tank 2, fixed roof tank with a storage capacity of 25,000 gallons, constructed in 1995.
(3)	Degreasing operations that do not exceed 145 gallons per twelve (12) months, except if subject to 326 IAC 20-6.

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.3.1 Particulate Emission Limitations for Sources of Indirect Heating [326 IAC 6-2-4]

Pursuant to 326 IAC 6-2-4 (Particulate Emission Limitations for Sources of Indirect Heating), the particulate emissions from indirect heating facility identified as HO1, constructed after September 21, 1983 shall be limited to 0.51 lb/mmBtu.

D.3.2 Degreasing Operations [326 IAC 8-3-5(a)]

- (a) Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), the owner or operator of a cold cleaner degreaser facility shall ensure that the following control equipment requirements are met:

- (1) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:
 - (A) The solvent volatility is greater than two (2) kiloPascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F));
 - (B) The solvent is agitated; or

- (C) The solvent is heated.
- (2) Equip the degreaser with a facility for draining cleaned articles. If the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury) or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)), then the drainage facility must be internal such that articles are enclosed under the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system.
- (3) Provide a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).
- (4) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.
- (5) Equip the degreaser with one (1) of the following control devices if the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury) or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9°C) (one hundred twenty degrees Fahrenheit (120°F)):
 - (A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.
 - (B) A water cover when solvent is used is insoluble in, and heavier than, water.
 - (C) Other systems of demonstrated equivalent control such as a refrigerated chiller of carbon adsorption. Such systems shall be submitted to the U.S. EPA as a SIP revision.
- (b) Pursuant to 326 IAC 8-3-5(b) (Cold Cleaner Degreaser Operation and Control), the owner or operator of a cold cleaning facility shall ensure that the following operating requirements are met:
 - (1) Close the cover whenever articles are not being handled in the degreaser.
 - (2) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.
 - (3) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate.

Compliance Determination Requirements

D.3.3 Testing Requirements [326 IAC 2-7-6(1),(6)]

The Permittee is not required to test these facilities by this permit. However, IDEM may require compliance testing at any specific time when necessary to determine if the facility is in compliance. If testing is required by IDEM and ERMD, compliance with the particulate limit specified in Condition D.3.1 shall be determined by a performance test conducted in accordance with Section C - Performance Testing.

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.3.4 Record Keeping Requirements

- (a) The permittee shall keep all records required in 40 CFR 60.116 (a) & (b) for Storage Tank 2.
- (b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR MANAGEMENT
COMPLIANCE DATA SECTION
and
INDIANAPOLIS ENVIRONMENTAL RESOURCES MANAGEMENT DIVISION
AIR QUALITY MANAGEMENT SECTION
DATA COMPLIANCE**

**PART 70 OPERATING PERMIT
CERTIFICATION**

Source Name: Superior Oil Company, Inc.
Source Address: 400 West Regent Street, Indianapolis, Indiana 46225
Mailing Address: 400 West Regent Street, Indianapolis, Indiana 46225
Part 70 Permit No.: 097-7395-00286

**This certification shall be included when submitting monitoring, testing reports/results
or other documents as required by this permit.**

Please check what document is being certified:

- 9 Annual Compliance Certification Letter
- 9 Test Result (specify) _____
- 9 Report (specify) _____
- 9 Notification (specify) _____
- 9 Other (specify) _____

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Signature:

Printed Name:

Title/Position:

Date:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR MANAGEMENT
COMPLIANCE DATA SECTION
P.O. Box 6015**

**100 North Senate Avenue
Indianapolis, Indiana 46206-6015
Phone: 317-233-5674
Fax: 317-233-5967**

and

**INDIANAPOLIS ENVIRONMENTAL RESOURCES MANAGEMENT DIVISION
AIR QUALITY MANAGEMENT SECTION**

**2700 South Belmont Ave.
Indianapolis Indiana 46221
Phone: 317-327-2234
Fax: 317-327-2274**

**PART 70 OPERATING PERMIT
EMERGENCY/DEVIATION OCCURRENCE REPORT**

Source Name: Superior Oil Company, Inc.
Source Address: 400 West Regent Street, Indianapolis, Indiana 46225
Mailing Address: 400 West Regent Street, Indianapolis, Indiana 46225
Part 70 Permit No: 097-7395-00286

This form consists of 2 pages

Page 1 of 2

Check either No. 1 or No.2	
9 1.	This is an emergency as defined in 326 IAC 2-7-1(12) C The Permittee must notify the ERMD and OAM, within four (4) business hours; and C The Permittee must submit notice in writing or by facsimile within two (2) days, and follow the other requirements of 326 IAC 2-7-16
9 2.	This is a deviation, reportable per 326 IAC 2-7-5(3)(c) C The Permittee must submit notice in writing within ten (10) calendar days

If any of the following are not applicable, mark N/A

Facility/Equipment/Operation:
Control Equipment:
Permit Condition or Operation Limitation in Permit:
Description of the Emergency/Deviation:
Describe the cause of the Emergency/Deviation:

If any of the following are not applicable, mark N/A

Page 2 of 2

Date/Time Emergency/Deviation started:
Date/Time Emergency/Deviation was corrected:
Was the facility being properly operated at the time of the emergency/deviation? Y N Describe:
Type of Pollutants Emitted: TSP, PM-10, SO ₂ , VOC, NO _x , CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency/deviation:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by: _____
Title / Position: _____
Date: _____
Phone: _____

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR MANAGEMENT
COMPLIANCE DATA SECTION
and
INDIANAPOLIS ENVIRONMENTAL RESOURCES MANAGEMENT DIVISION
AIR QUALITY MANAGEMENT SECTION
DATA COMPLIANCE**

**PART 70 OPERATING PERMIT
SEMI-ANNUAL COMPLIANCE MONITORING REPORT**

Source Name: Superior Oil Company, Inc.
Source Address: 400 West Regent Street, Indianapolis, Indiana 46225
Mailing Address: 400 West Regent Street, Indianapolis, Indiana 46225
Part 70 Permit No: 097-7395-00286

Months: _____ **to** _____ **Year:** _____

This report is an affirmation that the source has met all the compliance monitoring requirements stated in this permit. This report shall be submitted quarterly. Any deviation from the compliance monitoring requirements and the date(s) of each deviation must be reported. Additional pages may be attached if necessary. This form can be supplemented by attaching the Emergency/Deviation Occurrence Report. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".

9 NO DEVIATIONS OCCURRED THIS REPORTING PERIOD

9 THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD

Compliance Monitoring Requirement (e.g. Permit Condition D.3.1)	Number of Deviations	Date of each Deviations	

Form Completed By: _____

Title/Position: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

Attachment A

The following state rule have been adopted by reference by the Indianapolis Air Pollutant Control Board and are enforceable by Indianapolis Environmental Resources Management Division (ERMD) using local enforcement procedures.

- (1) 326 IAC 1-1-1 through 1-1-3 and 1-1-5;
- (2) 326 IAC 1-2-1 through 1-2-91 (In addition, the IAPCB has adopted several local definitions);
- (3) 326 IAC 1-3-1 through 1-3-4;
- (4) 326 IAC 1-4-1 (The IAPCB added to the adoption by reference a citation to 61 FR 58482 (November 15, 1996));
- (5) 326 IAC 1-5-1 through 1-5-5;
- (6) 326 IAC 1-6-1 through 1-6-6;
- (7) 326 IAC 1-7-1 through 1-7-5;
- (8) 326 IAC 2-3-1 through 2-3-5;
- (9) 326 IAC 2-4-1 through 2-4-6;
- (10) 326 IAC 2-6-1 through 2-6-4;
- (11) 326 IAC 2-7-1 through 2-7-18, 2-7-20 through 2-7-25;
- (12) 326 IAC 2-8-1 through 2-8-15, 2-8-17 through 2-8-10;
- (13) 326 IAC 2-9-1 through 2-9-14;
- (14) 326 IAC 2-10-1 through 2-10-5 (The IAPCB adoption adds the language "state or local" immediately after the word "federal" in 326 IAC 2-10-1);
- (15) 326 IAC 2-11-1, 2-11-3 and 2-11-4 (The IAPCB adoption adds the language "federal, state or local" immediately after the word "by" in 326 IAC 2-11-1);
- (16) 326 IAC 3-1.1-1 through 3-1.1-5;
- (17) 326 IAC 3-2.1-1 through 3-2.1-5;
- (18) 326 IAC 3-3-1 through 3-3-5;
- (19) 326 IAC 4-2-1 through 4-2-2;
- (20) 326 IAC 5-1-1 (a), (b) and c) (5), 5-1-2 (1), (2)(A), (2)c) (4), 5-1-3 through 5-1-5, 5-1-7;
- (21) 326 IAC 7-1.1-1 and 7-1.1-2;
- (22) 326 IAC 7-2-1;
- (23) 326 IAC 7-3-1 and 7-3-2;
- (24) 326 IAC 7-4-2(28) through (31) (Instead of adopting by reference 7-4-2(1) through (27), the IAPCB regulation substitutes the same requirements listed in a format in which the companies are alphabetized and emission points known to no longer exist have been deleted);
- (25) 326 IAC 8-1-0.5 except (b), 8-1-1 through 8-1-2, 8-1-3 except c), (g) and (i), 8-1-5 through 8-1-12;
- (26) 326 IAC 8-2-1 through 8-2-12 (The IAPCB adoption by reference of 8-2- 5 adds additional language specific to Zimmer Paper Products, Incorporated as subpart c);
- (27) 326 IAC 8-3-1 through 8-3-7;
- (28) 326 IAC 8-4-1 through 8-4-5, 8-4-6 (a)(6), (a)(8) and (a)(14) and 8-4-6(b)(1), (b)(3) and 8-4-6c) (In place of 8-4-6(b)(2), which was not adopted, the IAPCB adopted language requiring a pressure relief valve set to release at no less than four and eight-tenths (4.8) Kilo Pascals (seven-tenths (0.7) pounds per square inch)), 8-4-7 except (e), 8-4-8 and 8-4-9;
- (29) 326 IAC 8-5-1 through 8-5-4, 8-5-5 except (a)(3) and (d)(3);
- (30) 326 IAC 8-6-1 and 8-6-2;
- (31) 326 IAC 9-1-1 and 9-1-2;
- (32) 326 IAC 11-1-1 through 11-1-2;
- (33) 326 IAC 11-2-1 through 11-2-3;
- (34) 326 IAC 11-3-1 through 11-3-6;
- (35) 326 IAC 14-1-1 through 14-1-4;

Attachment A continued

- (36) 326 IAC 14-2-1 except 40 CFR 61.145;
- (37) 326 IAC 14-3-1;
- (38) 326 IAC 14-4-1;
- (39) 326 IAC 14-5-1;
- (40) 326 IAC 14-6-1;
- (41) 326 IAC 14-7-1;
- (42) 326 IAC 14-8-1 through 14-8-5;
- (43) 326 IAC 15-1-1, 15-1-2(a)(1), (a)(2) and (a)(8), 15-1-3 and 15-1-4;
- (44) 326 IAC 20-1-1 through 20-1-4 (In 20-1-3(b)(2) the adoption states that "permitting authority" means the commissioner of IDEM or the administrator of ERMD, whichever is applicable);
- (45) 326 IAC 20-2-1;
- (46) 326 IAC 20-3-1;
- (47) 326 IAC 20-4-1;
- (48) 326 IAC 20-5-1;
- (49) 326 IAC 20-6-1;
- (50) 326 IAC 20-7-1;
- (51) 326 IAC 20-8-1;
- (52) 326 IAC 20-9-1;
- (53) 326 IAC 20-14-1;
- (54) 326 IAC 20-15-1;
- (55) 326 IAC 20-16-1;
- (56) 326 IAC 20-17-1;
- (57) 326 IAC 20-18-1;
- (58) 326 IAC 20-19-1;
- (59) 326 IAC 20-20-1;
- (60) 326 IAC 20-21-1;
- (61) 326 IAC 21-1-1 (The adoption states that "or the administrator of ERMD" is added in (b));
- (62) 326 IAC 22-1-1 (The adoption states that "or the administrator of ERMD" is added in (b)).

**Indiana Department of Environmental Management
Office of Air Management
and
Indianapolis Environmental Resources Management Division**

Technical Support Document (TSD) for a Part 70 Operating Permit

Source Background and Description

Source Name: Superior Oil Company, Inc.
Source Location: 400 West Regent Street, Indianapolis, Indiana 46225
County: Marion
SIC Code: 5169, 7389, 2899
Operation Permit No: T097-7395-00286
Permit Reviewer: Kevin Leone

The Environmental Resources Management Division (ERMD) has reviewed a Part 70 permit application from Superior Oil Company, Inc. relating to the operation of distribution of industrial chemicals and related materials, including blending, container filling and other packaging activities.

Permitted Emission Units and Pollution Control Equipment

The source consists of the following permitted emission units and pollution control devices:

- (a) Soil Remediation Unit, identified as TO 1, with a maximum capacity of 350 SCFM, using an Catalytic Oxidizer for control, exhausting to stack I.D. # TO 1, installed in 1995.

- (b) The following tanks over 1 ton per year HAP potential:

Tank 2, fixed roof tank with a storage capacity of 25,000 gallons, constructed in 1995.
Tank 8, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1974.
Tank 9, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1974.
Tank 10, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1974.
Tank 11, fixed roof tank with a storage capacity of 20,000 gallons, constructed in 1973.
Tank 12, fixed roof tank with a storage capacity of 20,000 gallons, constructed in 1973.
Tank 16, fixed roof tank with a storage capacity of 20,000 gallons, constructed in 1973.
Tank 17, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1974.
Tank 18, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1972.
Tank 19, fixed roof tank with a storage capacity of 20,000 gallons, constructed in 1973.
Tank 25, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1981.
Tank 41, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1972.
Tank 42, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1973.
Tank 43, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1973.
Tank 44, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1973.
Tank 45, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1973.
Tank 46, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1972.
Tank 47, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1972.
Tank 48, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1973.
Tank 49, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1973.

Tank 51, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1979.
Tank 52, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1979.
Tank 53, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1979.
Tank 56, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1981.
Tank 57, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1979.
Tank 58, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1981.
Tank 59, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1981.

- (c) Special Processing Unit, identified as HO1, with a maximum capacity of 25,000 gallons per day, with no control equipment, exhausting to stack HO1, constructed in 1996.

Unpermitted Emission Units and Pollution Control Equipment Requiring ENSR

There are no unpermitted facilities operating at this source during this review process.

New Emission Units and Pollution Control Equipment Requiring ENSR

There are no new facilities to be reviewed under the ENSR process.

Insignificant Activities

The source also consists of the following insignificant activities, as defined in 326 IAC 2-7-1(21):

- (1)
- Tank 1, fixed roof tank with a storage capacity of 7,000 gallons, constructed in 1974.
Tank 3, fixed roof tank with a storage capacity of 7,000 gallons, constructed in 1974.
Tank 4, fixed roof tank with a storage capacity of 7,000 gallons, constructed in 1980.
Tank 5, fixed roof tank with a storage capacity of 5,000 gallons, constructed in 1974.
Tank 6, fixed roof tank with a storage capacity of 5,000 gallons, constructed in 1974.
Tank 7, fixed roof tank with a storage capacity of 7,000 gallons, constructed in 1974.
Tank 13, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.
Tank 14, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.
Tank 15, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.
Tank 20, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.
Tank 21, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.
Tank 22, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.
Tank 23, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.
Tank 24, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.
Tank 26, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.
Tank 27, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.
Tank 28, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.
Tank 29, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.
Tank 30, fixed roof tank with a storage capacity of 5,000 gallons, constructed in 1974.
Tank 31, fixed roof tank with a storage capacity of 7,000 gallons, constructed in 1974.
Tank 32, fixed roof tank with a storage capacity of 7,000 gallons, constructed in 1974.
Tank 32, fixed roof tank with a storage capacity of 7,000 gallons, constructed in 1974.
Tank 33, fixed roof tank with a storage capacity of 7,000 gallons, constructed in 1974.
Tank 34, fixed roof tank with a storage capacity of 7,000 gallons, constructed in 1974.
Tank 35, fixed roof tank with a storage capacity of 5,000 gallons, constructed in 1974.
Tank 36, fixed roof tank with a storage capacity of 5,000 gallons, constructed in 1974.
Tank 37, fixed roof tank with a storage capacity of 5,000 gallons, constructed in 1974.
Tank 38, fixed roof tank with a storage capacity of 5,000 gallons, constructed in 1974.
Tank 39, fixed roof tank with a storage capacity of 5,000 gallons, constructed in 1974.
Tank 40, fixed roof tank with a storage capacity of 5,000 gallons, constructed in 1974.
Tank 50, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.

Tank 54, fixed roof tank with a storage capacity of 7,000 gallons, constructed in 1980.
Tank 55, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.
Tank 60, fixed roof tank with a storage capacity of 6,000 gallons, constructed in 1994.
Tank 61, fixed roof tank with a storage capacity of 6,000 gallons, constructed in 1990.
Tank 62, fixed roof tank with a storage capacity of 6,000 gallons, constructed in 1982.
Tank 63, fixed roof tank with a storage capacity of 3,000 gallons, constructed in 1995.
Tank 64, fixed roof tank with a storage capacity of 3,000 gallons, constructed in 1995.
Tank 65, fixed roof tank with a storage capacity of 3,000 gallons, constructed in 1995.
Tank 66, fixed roof tank with a storage capacity of 6,000 gallons, constructed in 1982.
Tank 67, fixed roof tank with a storage capacity of 3,000 gallons, constructed in 1984.
Tank 68, fixed roof tank with a storage capacity of 6,000 gallons, constructed in 1984.
Tank 69, fixed roof tank with a storage capacity of 6,000 gallons, constructed in 1984.
Tank 70, fixed roof tank with a storage capacity of 3,000 gallons, constructed in 1990.
Tank 71, fixed roof tank with a storage capacity of 1,500 gallons, constructed in 1990.
Tank 72, fixed roof tank with a storage capacity of 1,500 gallons, constructed in 1990.
Tank 73, fixed roof tank with a storage capacity of 3,000 gallons, constructed in 1990.
Tank B1, fixed roof tank with a storage capacity of 2,000 gallons, constructed in 1973.
Tank B2, fixed roof tank with a storage capacity of 6,000 gallons, constructed in 1973.
Tank B3, fixed roof tank with a storage capacity of 3,000 gallons, constructed in 1990.
Tank B4, fixed roof tank with a storage capacity of 5,000 gallons, constructed in 1990.
Tank B5, fixed roof tank with a storage capacity of 1,100 gallons, constructed in 1994. ,
Tank B6 fixed roof tank with a storage capacity of 1,000 gallons, constructed in 1994.
Tank B7, fixed roof tank with a storage capacity of 1,000 gallons, constructed in 1994.
Tank B8, fixed roof tank with a storage capacity of 1,100 gallons, constructed in 1994.
Tank B9, fixed roof tank with a storage capacity of 675 gallons, constructed in 1992.

- (2) Natural gas-fired combustion sources with heat input equal to or less than ten (10) million Btu per hour.
 - (a) Identified as HO 1, 8.5MMBtu/hr.
- (3) Combustion source flame safety purging on startup.
- (4) The following VOC and HAP storage containers:
 - (a) Storage tanks with capacity less than or equal to 1,000 gallons and annual throughputs less than 12,000 gallons.
- (4) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6.
- (5) Cleaners and solvents characterized as follows:
 - A) having a vapor pressure equal to or less than 2 kPa; 15mm Hg; or 0.3 psi measured at 38 degrees C (100°F) or;
 - B) having a vapor pressure equal to or less than 0.7 kPa; 5mm Hg; or 0.1 psi measured at 20°C (68°F); the use of which for all cleaners and solvents combined does not exceed 145 gallons per 12 months.
- (6) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment.
- (7) Closed loop heating and cooling systems.

- (8) Structural steel and bridge fabricating activities using 80 tons or less of welding consumables.
- (9) Any operation using aqueous solutions containing less than 1% by weight of VOCs excluding HAPs.
- (10) Water based adhesives that are less than or equal to 5% by volume of VOCs excluding HAPs.
- (11) Noncontact cooling tower systems with forced and induced draft cooling tower system not regulated under NESHAP.
- (12) Heat exchanger cleaning and repair.
- (13) Process vessel degassing and cleaning to prepare for internal repairs.
- (14) Paved and unpaved roads and parking lots with public access.
- (15) Purging of gas lines and vessels that is related to routine maintenance and repair of buildings, structures, or vehicles at the source where air emissions from those activities would not be associated with any production process.
- (16) Equipment used to collect any material that might be released during a malfunction, process upset, or spill cleanup, including catch tanks, temporary liquid separators, tanks, and fluid handling equipment.
- (17) Blowdown for any of the following: sight glass; boiler; compressors; pumps; and cooling tower.
- (18) On-site fire and emergency response training approved by the department.
- (19) Purge double block and bleed valves.
- (20) Filter or coalescer media changeout.
- (21) A laboratory as defined in 326 IAC 2-7-1(20)(C).

Existing Approvals

The source has been operating under previous approvals including, but not limited to, the following:

- (1) OP 5263, issued on September 20, 1993; and
- (2) CP 965262-01, issued on April 9, 1996.

All conditions from previous approvals were incorporated into this Part 70 permit.

Enforcement Issue

There are no enforcement actions pending.

Recommendation

The staff recommends to the Commissioner that the Part 70 permit be approved. This recommendation is based on the following facts and conditions:

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant.

An administratively complete Part 70 permit application for the purposes of this review was received on December 13, 1996.

Emission Calculations

See Appendix A of this document for detailed emissions calculations (Pages 1 - 4)

Potential Emissions

Pursuant to 326 IAC 1-2-55, Potential Emissions are defined as "emissions of any one (1) pollutant which would be emitted from a facility, if that facility were operated without the use of pollution control equipment unless such control equipment is necessary for the facility to produce its normal product or is integral to the normal operation of the facility."

Pollutant	Potential Emissions (tons/year)
PM	less than 1
PM-10	less than 1
SO ₂	less than 1
VOC	122.46
CO	less than 1
NO _x	3.61

Note: For the purpose of determining Title V applicability for particulates, PM-10, not PM, is the regulated pollutant in consideration.

HAP's	Potential Emissions (tons/year)
Methylene Chloride	169.02

- (a) The potential emissions (as defined in 326 IAC 1-2-55) of VOC are equal to or greater than 100 tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-7.
- (b) The potential emissions (as defined in 326 IAC 1-2-55) of any single HAP is equal to or greater than ten (10) tons per year and the potential emissions (as defined in 326 IAC 1-2-55) of a combination HAPs is greater than or equal to twenty-five (25) tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-7.
- (c) Fugitive Emissions
Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2 and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive particulate matter (PM) and volatile organic compound (VOC) emissions are not counted toward determination of PSD and Emission Offset applicability.

Actual Emissions

The following table shows the actual emissions from the source. This information reflects the 1996 OAM emission data.

Pollutant	Actual Emissions (tons/year)
PM	less than 1
PM-10	less than 1
SO ₂	less than 1
VOC	24.8
CO	less than 1
NO _x	less than 1
HAP (Methylene Chloride)	

Limited Potential to Emit

The table below summarizes the total potential to emit, reflecting all limits, of the significant emission units.

	Limited Potential to Emit (tons/year)						
Process/facility	PM	PM-10	SO ₂	VOC	CO	NO _x	HAPs
Soil Remediation Unit				24(a)			
Hot Oil Heater	0.51						
Total Emissions	0.51			24(a)			

(a) Based on the 95% control efficiency of the Thermal Oxidizer being considered Best Available Control Technology (BACT).

Attached Table A summarizes the permit conditions and requirements

County Attainment Status

The source is located in Marion County.

Pollutant	Status
PM-10	attainment
SO ₂	attainment
NO ₂	attainment
Ozone	attainment
CO	attainment
Lead	attainment

(a) Volatile organic compounds (VOC) and oxides of nitrogen (NO_x) are precursors for the formation of ozone. Therefore, VOC and NO_x emissions are considered when evaluating the rule applicability relating to the ozone standards. Marion County has been designated as attainment or unclassifiable for ozone.

Federal Rule Applicability

- (a) Tank 2 is subject to the New Source Performance Standard, 326 IAC 12, (40 CFR 60.116(a) & (b), Subpart Kb. Since tank 2 was installed after July 23, 1984 and has an individual storage capacity of greater than 75 cubic meters and less than 151 cubic meters and stores liquids with a vapor pressure less than 15 kPa the only applicable requirements of this subpart are 60.116 (a) and (b). This regulation does not apply to the other tanks based on the date constructed and/or the storage capacity of the tank.
- (b) The 8.25 MMBtu/hr natural gas Hot Oil Heater is not subject to the New Source Performance Standard, 326 IAC 12, (40 CFR 60.4, Subpart Dc) because it is less than 10 MMBtu/hr.
- (c) New Source Performance Standard for Synthetic Organic Chemical Manufacturing Operations 40 CFR Part 60 (Subparts VV, III, NNN, and RRR) do not apply to this source since this source does not produce chemicals through chemical synthesis. This facility is only involved with blending of chemicals as received, packaging of the chemicals and the distribution of chemicals.
- (d) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs) applicable to this source because the degreaser does not use halogenated HAP's.

State Rule Applicability - Entire Source

326 IAC 1-6-3 (Preventive Maintenance Plans)

That pursuant to 326 IAC 1-6-3 (Preventive Maintenance Plans), Superior Oil shall prepare and maintain a preventive maintenance plan for the Soil Remediation Unit, including the following information:

- (a) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices.
- (b) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions.
- (c) Identification of the replacement parts which will be maintained in inventory for quick replacement.

The preventive maintenance plan shall be submitted to the Environmental Resources Management Division (ERMD) upon request and shall be subject to review and approval.

326 IAC 2-2 Prevention of Significant Deterioration (PSD)

This source is on the list of 28 and has the potential to emit greater than 100 tons per year of VOC, but it is an existing major source prior to the rule and no significant modifications have been done since January 1st of 1980 therefore PSD does not apply.

326 IAC 2-6 (Emission Reporting)

This source is subject to 326 IAC 2-6 (Emission Reporting), because it has the potential to emit more than 10 tons per year of VOC. Pursuant to this rule, the owner/operator of the source must annually submit an emission statement for the source. The annual statement must be received by April 15 of each year and contain the minimum requirement as specified in 326 IAC 2-6-4. The submittal should cover the period defined in 326 IAC 2-6-2(8)(Emission Statement Operating Year).

326 IAC 5-1 (Visible Emissions Limitations)

Pursuant to 326 IAC 5-1-2 (Visible Emissions Limitations), except as provided in 326 IAC 5-1-3 (Temporary Exemptions), visible emissions shall meet the following, unless otherwise stated in this permit:

- (a) Visible emissions shall not exceed an average of thirty percent (30%) opacity in twenty-four (24) consecutive readings as determined by 326 IAC 5-1-4,
- (b) Visible emissions shall not exceed sixty percent (60%) opacity for more than a cumulative total of fifteen (15) minutes (sixty (60) readings) in a six (6) hour period.

State Rule Applicability - Individual Facilities

[326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)] (Compliance Monitoring Requirements)

Pursuant to IDEM's guidance document, the Soil Remediation Unit is required to have a Compliance Monitoring Plan since it's control device would have allowable emissions exceeding 10 lb/hr if not for a condition limiting PTE.

326 IAC 6-2-4 (Particulate Emission Limitations for Sources of Indirect Heating)

Since this boiler is located in Marion County and was installed after 1983 the particulate emissions are limited pursuant to 326 IAC 6-2-4 (Particulate Matter Emission Limitations for Sources of Indirect Heating). Pursuant to 326 IAC 6-2-4 the Particulate Matter (PM) emissions from the 8.25 million Btu per hour Hot Oil Heater, identified as HO 1, shall be limited to 0.51 pounds per million Btu of heat input.

326 IAC 8-1-6 (New Facilities, General Reduction Requirements)

Pursuant to 8-1-6, the 95% control efficiency of the Thermal Oxidizer in the Soil Remediation Unit, identified as TO1, shall be considered BACT. The Special Processing Unit, identified as HO1, is not limited by BACT because it's emission levels of VOC are less than 25 tons per year.

326 IAC 8-4-3 (Petroleum Liquid Storage Facilities)

326 IAC 8-4-3 does not apply since none of the tanks have a storage capacity of greater than 39,000 gallons.

326 IAC 8-6 (Organic Solvent Emission Limitations)

326 IAC 8-6 does not apply since existing facilities as of January 1st, 1980 do not have potential emissions greater than 100 tons.

326 IAC 8-9 (Volatile Organic Liquid Storage Vessels)

This regulation does not apply to any of the storage vessels at this source since this source is not located in Clark, Floyd, Lake or Porter Counties.

Compliance Requirements

Permits issued under 326 IAC 2-7 are required to ensure that sources can demonstrate compliance with applicable state and federal rules on a more or less continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a more or less continuous demonstration. When this occurs IDEM, OAM, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-7-5. As a result, compliance requirements are divided into two sections: Compliance Determination Requirements and Compliance Monitoring Requirements.

Compliance Determination Requirements in Section D of the permit are those conditions that are found more or less directly within state and federal rules and the violation of which serves as grounds for enforcement action. If these conditions are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also Section D of the permit. Unlike Compliance Determination Requirements, failure to meet Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds for enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a source's failure to take the appropriate corrective actions within a specific time period.

The compliance monitoring requirements applicable to this source are as follows:

1. The Soil Remediation Unit has applicable compliance monitoring conditions as specified below:
 - (a) Daily monitoring of the temperature of the Soil Remediation unit shall be performed during normal operations. A trained employee will record whether emissions are normal or abnormal. For processes operated continuously "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time. In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions. A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process. The Preventive Maintenance Plan for this unit shall contain troubleshooting contingency and corrective actions for when an abnormal emission is observed.

These monitoring conditions are necessary to ensure compliance with 326 IAC 8-1-6 (New Facilities, General Reduction Requirements) and 326 IAC 2-7 (Part 70).

Air Toxic Emissions

Indiana presently requests applicants to provide information on emissions of the 187 hazardous air pollutants (HAPs) set out in the Clean Air Act Amendments of 1990. These pollutants are either carcinogenic or otherwise considered toxic and are commonly used by industries. They are listed as air toxics on the Office of Air Management (OAM) Part 70 Application Form GSD-08.

- (a) This source will emit levels of air toxics greater than those that constitute major source applicability according to Section 112 of the 1990 Clean Air Act Amendments.
- (b) See attached calculations for detailed air toxic calculations, appendix A pages 1 - 4.

Conclusion

The operation of this distribution of industrial chemicals and related materials, including blending, container filling and other packaging activities shall be subject to the conditions of the attached proposed Part 70 Permit No. T097-7395-00286.

**Indiana Department of Environmental Management
Office of Air Management**
and
Indianapolis Environmental Resources Management Division

Addendum to the
Technical Support Document for Part 70 Operating Permit

Source Name: Superior Oil Company, INC.
Source Location: 400 West Regent Street, Indianapolis,
Indiana 46225
County: Marion
SIC Code: 5169, 7389, 2899
Operation Permit No.: T097-7395-00286
Permit Reviewer: Kevin Leone

On April 30th, 1999, the Office of Air Management (OAM) had a notice published in the Indianapolis Star, Indianapolis, Indiana, stating that Superior Oil Company, Inc. had applied for a Part 70 Operating Permit for the operation of distribution of industrial chemicals and related materials, including blending, container filling and other packaging activities. The notice also stated that OAM proposed to issue a permit for this operation and provided information on how the public could review the proposed permit and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this permit should be issued as proposed.

On May 20th, Superior Oil Company, Inc. submitted comments on the proposed Part 70 permit. The summary of the comments is as follows:

Comment 1:

Superior Oil Company, Inc. submitted comments citing either incorrect or omitted information in the Part 70 Permit Application or omitted information in the Part 70 Permit Draft.

Response to Comment 1:

These changes do not affect rules, or conditions.

The following comments were made on the Technical Support Document (TSD). The TSD will remain as it originally appeared when published. OAM prefers that the Technical Support Document reflect the permit that was on public notice. Changes to the permit or technical support material that occur after the permit has been published are documented in this Addendum to the Technical Support Document. This accomplishes the desired result of ensuring that these types of concerns are documented as part of the record regarding this permit decision.

Page 4 of 9 of the TSD, Specifically Regulated Insignificant Activities, the following would be added due to an oversight:

- (22) Three storage tanks, Identified as Oil1, Oil2, and Oil3, fixed roof tank with a storage capacity of 10,000 gallons each.**

Page 2 of 9 of the TSD, Specifically Regulated Insignificant Activities, the following would be omitted due this tank being listed twice:

~~Tank 32, fixed roof tank with a storage capacity of 7,000 gallons, constructed in 1974.~~

Page 3 of 9 of the TSD, Specifically Regulated Insignificant Activities, the following would be omitted due to this tank being taken out of service:

~~Tank 71, fixed roof tank with a storage capacity of 1,500 gallons, constructed in 1990.~~

Page 3 of 9 of the TSD, Specifically Regulated Insignificant Activities, the following would be added due to an oversight:

Three storage tanks, Identified as M1, M2, and M3, fixed roof tank with a storage capacity of 5,000 gallons each. Seven tanks, identified as 5-1, 5-2, 5-3, 5-4, 5-5, 5-6, 5-7, all with capacity below 10,000 gallons.

Page 3 of 9 of the TSD, Specifically Regulated Insignificant Activities, the following would be added due to the recent installment of these tanks:

Two storage tanks, Identified as Tank 74 and Tank 75, fixed roof tank with a storage capacity of 3,000 gallons each, and one 3,000 gallon polyethylene tank, all added in 1998.

Page 5 of 9 of the TSD, Potential Emissions, the following would be changed due to the recent additions and subtractions of equipment at this facility:

Pollutant	Potential Emissions (tons/year)
PM	less than 1
PM-10	less than 1
SO ₂	less than 1
VOC	122.46 70.46
CO	less than 1
NO _x	3.61

Note: For the purpose of determining Title V applicability for particulates, PM-10, not PM, is the regulated pollutant in consideration.

HAP's	Potential Emissions (tons/year)
Methylene Chloride	169.02
Triethylamine	12

Page 6 of 9 of the TSD, Actual Emissions, the following would be changed due to the recent additions and subtractions of equipment at this facility:

Pollutant	Actual Emissions (tons/year)
PM	less than 1
PM-10	less than 1
SO ₂	less than 1
VOC	24.8 21.8
CO	less than 1
NO _x	less than 1
HAP (Methylene Chloride)	33
HAP (Triethylamine)	4

Changes will be made to the final Part 70 permit to address the comments.

The following changes will be made to the final Part 70 permit:

The table of contents was changed as follows due to changes in the D Sections:

D.1	FACILITY OPERATION CONDITIONS - Soil Remediation Unit	34
_____	Emission Limitations and Standards [326 IAC 2-7-5(1)]	
_____	D.1.1 BACT Synthetic Minor Limitation [326 IAC 8-1-6]	
_____	D.1.2 Preventive Maintenance Plan [326 IAC 2-7-5(13)]	
_____	Compliance Determination Requirements	
_____	D.1.3 Testing Requirements [326 IAC 2-7-6(1),(6)]	
_____	Compliance Monitoring Requirements	
_____	D.1.4 Compliance Monitoring Requirements	
_____	Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]	
_____	D.1.5 Record Keeping Requirements	
D.2 1	FACILITY OPERATION CONDITIONS - Special Processing Unit	31
D.3 2	FACILITY OPERATION CONDITIONS - Tanks	32
D.4 3	FACILITY OPERATION CONDITIONS - Insignificant Activities	34
	Emission Limitations and Standards [326 IAC 2-7-5(1)]	
	D.4 3.1 Particulate Emission Limitations from Sources of Indirect Heating [326 IAC 6-2-4]	
	D.4 3.2 Degreasing Operations [326 IAC 8-3-5(a)]	
	Compliance Determination Requirements	
	D.4 3.3 Testing Requirements [326 IAC 2-7-6(1),(6)]	
	Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]	
	D.4 3.4 Record Keeping Requirements	

On page 5, Emission Units and Pollution Control Equipment Summary, the following was omitted because it was dismantled. This unit was put in voluntarily, as part of a voluntary remediation process and did not go through the Office of Environmental Response:

- (a) ~~Soil Remediation Unit, identified as TO 1, with a maximum capacity of 350 SCFM, using an afterburner for control, exhausting to stack I.D. # TO 1, installed in 1995.~~

On page 6, Emission Units and Pollution Control Equipment Summary, the following was omitted because it was dismantled:

- (c) ~~Special Processing Unit, identified as HO1, with a maximum capacity of 25,000 gallons per day, with no control equipment, exhausting to stack HO1, constructed in 1996.~~

On page 6, Specifically Regulated Insignificant Activities, the following was omitted. Due to an error, it was listed under both Specifically Regulated Insignificant Activities and Emission Units and Pollution Control Equipment Summary:

~~(3) Tank 2, fixed roof tank with a storage capacity of 25,000 gallons, constructed in 1995.~~

On pages 5 and 6 of Section A, Emission Units and Pollution Control Equipment Summary, and page 32 of Section D.2, the following was added because it has been determined that these tanks have the potential to be significant if they were stored with HAPs. These tanks are being changed from insignificant to significant:

Tank 13, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.

Tank 14, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.

Tank 15, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.

Tank 20, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.

Tank 21, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.

Tank 22, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.

Tank 23, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.

Tank 24, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.

Tank 26, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.

Tank 27, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.

Tank 28, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.

Tank 29, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.

Tank 50, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.

Tank 55, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.

Section D.1.1 Soil Remediation Unit, identified as TO1, the following was omitted because it was dismantled:

SECTION D.1 FACILITY OPERATION CONDITIONS

~~(1) Soil Remediation Unit, identified as TO 1, with a maximum capacity of 350 SCFM, using an afterburner for control, exhausting to stack I.D. # TO 1, installed in 1995.~~

~~Emission Limitations and Standards [326 IAC 2-8-4(1)]~~

~~D.1.1 BACT [326 IAC 8-1-6]~~

~~Pursuant to 8-1-6, the Thermal Oxidizer shall be in operation at all times in which the Soil Recovery Unit is operating and shall be operated at a minimum overall control efficiency of 95%.~~

~~D.1.2 Preventive Maintenance Plan [326 IAC 2-7-5(13)]~~

~~A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for this facility and its control device.~~

Compliance Determination Requirement

~~D.1.3 Testing Requirements [326 IAC 2-7-6(1),(6)]~~

~~The Permittee is not required to test this facility by this permit. However, IDEM may require compliance testing at any specific time when necessary to determine if the facility is in compliance. If testing is required by IDEM and ERMD, compliance with the VOC limit specified in Condition D.1.1 shall be determined by a performance test conducted in accordance with Section C - Performance Testing.~~

Compliance Monitoring Requirement

~~D.1.4 Compliance Monitoring Requirements~~

- ~~(a) To document compliance with Conditions D.1.1, the Permittee shall monitor the Soil Remediation Unit in accordance with (1) below:~~
- ~~(1) Daily monitoring of the temperature of the Soil Remediation Unit shall be performed during normal operations. The temperature shall be maintained between 680 degrees Fahrenheit and 700 degrees Fahrenheit. Failure to meet this Compliance Monitoring condition will serve as a trigger for corrective actions.~~

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

~~D.1.5 Record Keeping Requirements~~

- ~~(a) To document compliance with Conditions D.1.1, the Permittee shall maintain records in accordance with (1) below. Records maintained for (1) shall be taken daily and shall be complete and sufficient to establish compliance with the VOC emission limits established in Condition D.1.1:~~
- ~~(1) Daily monitoring of the temperature of the thermal oxidizer shall be performed during normal operations. Records shall be kept of the date and time of each monitoring event and the response to the event.~~
- ~~(b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.~~

Section D.2. Special Processing Unit, identified as HO1, the following was omitted because it was dismantled:

SECTION D.2 FACILITY OPERATION CONDITIONS

- | |
|--|
| (1) Special Processing Unit, identified as HO1, with a maximum capacity of 25,000 gallons per day, with no control equipment, exhausting to stack HO1, constructed in 1996. |
|--|

Emission Limitations and Standards [326 IAC 2-8-4(1)]

~~D.2.1 BACT [326 IAC 8-1-6]~~

~~8-1-6 does not apply to the Special Processing Unit. However, Office of Air Management (OAM) approval shall be obtained prior to operating the unit at a rate of 25 tons of VOC per year or more.~~

Compliance Determination Requirement

~~D.2.2 There are no applicable requirements~~

Compliance Monitoring Requirement

~~D.2.3 There are no applicable requirements~~

Record Keeping and Reporting Requirements ~~[326 IAC 2-7-5(3)] [326 IAC 2-7-19]~~

~~D.2.4 Record Keeping Requirements~~

- ~~(a) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.~~

On page 31, D.1 Special Processing Unit, the following was added due to an oversight:

SECTION D.1 FACILITY OPERATION CONDITIONS

- | |
|--|
| (1) Special Processing Unit, identified as MMP1, with no control equipment, exhausting to stack MMP1, constructed in 1996. |
|--|

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.1.1 BACT [326 IAC 8-1-6]

8-1-6 does not apply to the Special Processing Unit. However, Office of Air Management (OAM) approval shall be obtained prior to operating the unit at a rate of 25 tons of VOC per year or more.

Compliance Determination Requirement

D.1.2 There are no applicable requirements

Compliance Monitoring Requirement

D.1.3 There are no applicable requirements

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.1.4 Record Keeping Requirements

- (a) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

The Part 70 Quarterly Reporting Form for the Soil Remediation Unit was omitted because the Soil Remediation Unit was dismantled:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR MANAGEMENT
COMPLIANCE DATA SECTION
and
INDIANAPOLIS ENVIRONMENTAL RESOURCES MANAGEMENT DIVISION
AIR QUALITY MANAGEMENT SECTION
DATA COMPLIANCE**

Part 70 Quarterly Report

Source Name: _____ Superior Oil Company, Inc.
Source Address: _____ 400 West Regent Street, Indianapolis, Indiana 46225
Mailing Address: _____ 400 West Regent Street, Indianapolis, Indiana 46225
Part 70 Permit No: _____ 097-7395-00286
Facility: _____ Soil Remediation Unit
Parameter: _____ Volatile Organic Compound (VOC)
Limit: _____ 24 tons per 12 month rolling sum

Month: _____ **Year:** _____

Facility	Column 1	Column 2	Column 1 + Column 2
	Total combined VOC this Month	Total combined VOC previous 11 Months	12 Month VOC Total
Soil Remediation Unit			

_____ 9 _____ No deviation occurred in this month.

_____ 9 _____ Deviation/s occurred in this month.

_____ Deviation has been reported on: _____

Submitted by: _____
Title/Position: _____
Signature: _____
Date: _____
Phone: _____

TANK SUMMARY

TSD App. A Page 1

Emissions Associated with Receiving and Storing for VOC's

Bulk Loading Loss

	VOC
M = Molecular Weight	88
P = True Vapor Pressure	1.41
T = Temperature of blk. liq.	528
S = Saturation Factor	0.6
LL = Loading Loss	1.76

Potential Throughput (GPY) 10,500,000
Potential Emissions (TPY) 9.22

Container Loading Loss

	VOC
M = Molecular Weight	88
P = True Vapor Pressure	1.41
T = Temperature of blk. liq.	528
S = Saturation Factor	1.45
LL = Loading Loss	4.25

Potential Throughput (GPY) 4,500,000
Potential Emissions (TPY) 9.55

Tanks Standing Loss

Potential Emissions (TPY) VOC 17.88

VOC emissions - Receiving & Storage

Potential Emissions (TPY) 36.65

VOC Emissions

Emissions Associated with Custom Solvent Blending for VOC's

Transfer Material to Blend Tanks

	VOC
M = Molecular Weight	75
P = True Vapor Pressure	1.41
T = Temperature of blk. liq.	528
S = Saturation Factor	0.6
A = Air Volume	147
MD = Material Density	7.16
Potential Throughput (GPY)	15,000,000
Potential Emissions (TPY)	0.88

Emissions During Blending Operations

	VOC
E = Emissions per 1,000 gallons	1.46
Potential Throughput (GPY)	15,000,000
Potential Emissions (TPY)	10.95

Tanks Standing Loss

Potential Emissions (TPY) VOC 0.98

VOC emissions - Solvent Blending

Potential Emissions (TPY) 12.81

Emissions Associated with Soil Remediation Unit for VOC's

	VOC
SF = Stream Flow (CF/Min)	350
D = Density (CF)	20.61
AF = Air Flow (lb/Min)	16.98
SFY = Stream Flow/Year (lb/yr)	8,925,000
C = Concentration	2.29%
CR = Concentration Reduction	0.229
Potential Emissions (TPY)	56.00

Emissions Associated with Special Processing Unit for VOC's

Potential Emissions (TPY) 17.00

VOC emissions - Special Processing Unit

Potential Emissions (TPY) 17.00

VOC emissions - Soil Remediation Unit

Potential Emissions (TPY) 56.00

Total VOC Emissions = 122.46 TPY

*Tanks standing loss are based on AP-42 section 7.1.3.1 (Total Losses From Fixed Roof Tanks)

using the equation $L_s = (365) (V_v) (W_v) (K_e) (K_s)$

*Container and bulk loading losses are based on AP-42 section 5.2-1 (Transportation and Marketing of Petroleum Liquids)

*Saturation factors were derived from AP-42 Table 5.2-1.

*Transfer Material to Blend Tanks derived by source's equation - Air Vol over $7.48 \times \text{mol wt} \times \text{VP}$ divided by $14.7 \times \text{mtl density} \times \text{saturation factor}$ x annual volume divided by batch volume.

*catalytic oxidizer (Sources calculations) $\text{SF} \times 1 \text{ lb per density} = \text{AF}$; $\text{AF} \times 525600 = \text{SFY}$; $\text{SFY} (C + \text{CR})/2 = 56 \text{ TPY}$

*Special Processing Unit (Sources calculations were used)

TANK SUMMARY

TSD App. A Page 2

Emissions Associated with Receiving and Storing for "Methylene Chloride"

Container Loading Loss

	Methylene Chloride
M = Molecular Weight	85
P = True Vapor Pressure	5.15
T = Temperature of blk. liq.	528
S = Saturation Factor	1.45
LL = Loading Loss	14.98

Potential Throughput (GPY) 4,500,000
Potential Emissions (TPY) 33.70

Bulk Loading Loss

	Methylene Chloride
M = Molecular Weight	85
P = True Vapor Pressure	5.15
T = Temperature of blk. liq.	528
S = Saturation Factor	0.6
LL = Loading Loss	6.20

Potential Throughput (GPY) 10,500,000
Potential Emissions (TPY) 32.54

Tanks Standing Loss

Potential Emissions (TPY) HAP 17.88

HAP Emissions - Receiving & Storage

Potential Emissions (TPY) 84.12

HAP Emissions

Emissions Associated with Custom Solvent Blending for "Methylene Chloride"

Transfer Material to Blend Tanks

	Methylene Chloride
M = Molecular Weight	85
P = True Vapor Pressure	5.15
T = Temperature of blk. liq.	528
S = Saturation Factor	1.45
A = Air Volume	147
MD = Material Density	10.98

Potential Throughput (GPY) 15,000,000
Potential Emissions (TPY) 5.16

Emissions During Blending Operations

	Methylene Chloride
E = Emissions per 1,000 gallons	5.15
Potential Throughput (GPY)	15,000,000
Potential Emissions (TPY)	38.62

Tanks Standing Loss

Potential Emissions (TPY) HAP 2.22

HAP emissions - Solvent Blending

Potential Emissions (TPY) 46.00

Emissions Associated with Material Loadout for Shipments

Container Filling Emissions

	Methylene Chloride
MD = Material Density	10.98
P = True Vapor Pressure	5.15

Potential Throughput (GPY) 15,000,000
Potential Emissions (TPY) 38.90

HAP emissions - Shipments

Potential Emissions (TPY) 38.9

Total HAP Emissions = 169.02 TPY

*Tanks standing loss are based on AP-42 section 7.1.3.1 (Total Losses From Fixed Roof Tanks) using the equation $L_s = (365) (V_v) (W_v) (K_e) (K_s)$

*Container and bulk loading losses are based on AP-42 section 5.2-1 (Transportation and Marketing of Petroleum Liquids)

*Saturation factors were derived from AP-42 Table 5.2-1.

*Transfer Material to Blend Tanks derived by source's equation - Air Vol over $7.48 \times \text{mol wt} \times \text{VP}$ divided by $14.7 \times \text{mtl density} \times \text{saturation factor}$ x annual volume divided by batch volume.

*Container filling emissions derived by source's equation - annual volume divided by $7.48 \times \text{VP}$ over $14.7 \times \text{material density in lb/ft}^3$

TANK SUMMARY

Insignificant Emitting Activities

TSD App. A Page 3

Heat Input Capacity
MMBtu/hr

Potential Throughput
MMCF/yr

8.3

72.3

Pollutant	PM	PM10	SO2	NOx	VOC	CO
Emission Factor in lb/MMCF	13.70	13.70	0.60	100.00	5.30	21.00
Potential Emission in tons/yr	0.50	0.50	0.02	3.61	0.19	0.76

TANK SUMMARY

Tank ID	Tank Capacity (gallons)	Tank Capacity (Cubic Meters)	Date Installed	Applicable Regulations	psia	kPa
1	7000	26.50	1974	NSPS Subpart Kb not applicable		
2	25000	94.64	1995	NSPS Subpart Kb applies	0.6	4.13
3	7000	26.50	1974	NSPS Subpart Kb not applicable		
4	7000	26.50	1980	NSPS Subpart Kb not applicable		
5	5000	18.93	1974	NSPS Subpart Kb not applicable		
6	5000	18.93	1974	NSPS Subpart Kb not applicable		
7	7000	26.50	1974	NSPS Subpart Kb not applicable		
8	30000	113.56	1974	NSPS Subpart Kb not applicable		
9	30000	113.56	1974	NSPS Subpart Kb not applicable		
10	30000	113.56	1974	NSPS Subpart Kb not applicable		
11	20000	75.71	1973	NSPS Subpart Kb not applicable		
12	20000	75.71	1973	NSPS Subpart Kb not applicable		
13	11000	41.64	1974	NSPS Subpart Kb not applicable		
14	11000	41.64	1974	NSPS Subpart Kb not applicable		
15	11000	41.64	1974	NSPS Subpart Kb not applicable		
16	20000	75.71	1973	NSPS Subpart Kb not applicable		
17	30000	113.56	1974	NSPS Subpart Kb not applicable		
18	30000	113.56	1972	NSPS Subpart Kb not applicable		
19	20000	75.71	1973	NSPS Subpart Kb not applicable		
20	11000	41.64	1974	NSPS Subpart Kb not applicable		
21	11000	41.64	1974	NSPS Subpart Kb not applicable		
22	11000	41.64	1974	NSPS Subpart Kb not applicable		
23	11000	41.64	1974	NSPS Subpart Kb not applicable		
24	11000	41.64	1974	NSPS Subpart Kb not applicable		
25	30000	113.56	1981	NSPS Subpart Kb not applicable		
26	11000	41.64	1974	NSPS Subpart Kb not applicable		
27	11000	41.64	1974	NSPS Subpart Kb not applicable		
28	11000	41.64	1974	NSPS Subpart Kb not applicable		
29	11000	41.64	1974	NSPS Subpart Kb not applicable		
30	5000	18.93	1974	NSPS Subpart Kb not applicable		
31	7000	26.50	1974	NSPS Subpart Kb not applicable		
32	7000	26.50	1974	NSPS Subpart Kb not applicable		
33	7000	26.50	1974	NSPS Subpart Kb not applicable		
34	7000	26.50	1974	NSPS Subpart Kb not applicable		
35	5000	18.93	1974	NSPS Subpart Kb not applicable		
36	5000	18.93	1974	NSPS Subpart Kb not applicable		
37	5000	18.93	1974	NSPS Subpart Kb not applicable		
38	5000	18.93	1974	NSPS Subpart Kb not applicable		
39	5000	18.93	1974	NSPS Subpart Kb not applicable		
40	5000	18.93	1974	NSPS Subpart Kb not applicable		
41	30000	113.56	1972	NSPS Subpart Kb not applicable		
42	30000	113.56	1973	NSPS Subpart Kb not applicable		
43	30000	113.56	1973	NSPS Subpart Kb not applicable		
44	30000	113.56	1973	NSPS Subpart Kb not applicable		
45	30000	113.56	1973	NSPS Subpart Kb not applicable		
46	30000	113.56	1972	NSPS Subpart Kb not applicable		
47	30000	113.56	1972	NSPS Subpart Kb not applicable		
48	30000	113.56	1973	NSPS Subpart Kb not applicable		
49	30000	113.56	1973	NSPS Subpart Kb not applicable		
50	11000	41.64	1974	NSPS Subpart Kb not applicable		
51	30000	113.56	1979	NSPS Subpart Kb not applicable		
52	30000	113.56	1979	NSPS Subpart Kb not applicable		
53	30000	113.56	1979	NSPS Subpart Kb not applicable		
54	7000	26.50	1980	NSPS Subpart Kb not applicable		
55	11000	41.64	1974	NSPS Subpart Kb not applicable		
56	30000	113.56	1981	NSPS Subpart Kb not applicable		
57	30000	113.56	1979	NSPS Subpart Kb not applicable		
58	30000	113.56	1981	NSPS Subpart Kb not applicable		
59	30000	113.56	1981	NSPS Subpart Kb not applicable		
60	6000	22.71	1994	NSPS Subpart Kb not applicable		
61	6000	22.71	1990	NSPS Subpart Kb not applicable		
62	6000	22.71	1982	NSPS Subpart Kb not applicable		
63	3000	11.36	1995	NSPS Subpart Kb not applicable		
64	3000	11.36	1995	NSPS Subpart Kb not applicable		
65	3000	11.36	1995	NSPS Subpart Kb not applicable		
66	6000	22.71	1982	NSPS Subpart Kb not applicable		
67	3000	11.36	1984	NSPS Subpart Kb not applicable		
68	6000	22.71	1984	NSPS Subpart Kb not applicable		
69	6000	22.71	1984	NSPS Subpart Kb not applicable		
70	3000	11.36	1990	NSPS Subpart Kb not applicable		
71	1500	5.68	1990	NSPS Subpart Kb not applicable		
72	1500	5.68	1990	NSPS Subpart Kb not applicable		
73	3000	11.36	1990	NSPS Subpart Kb not applicable		
B1	2000	7.57	1973	NSPS Subpart Kb not applicable		
B2	6000	22.71	1973	NSPS Subpart Kb not applicable		
B3	3000	11.36	1990	NSPS Subpart Kb not applicable		
B4	5000	18.93	1990	NSPS Subpart Kb not applicable		
B5	1100	4.16	1994	NSPS Subpart Kb not applicable		
B6	1000	3.79	1994	NSPS Subpart Kb not applicable		
B7	1000	3.79	1994	NSPS Subpart Kb not applicable		
B8	1100	4.16	1994	NSPS Subpart Kb not applicable		
B9	675	2.56	1992	NSPS Subpart Kb not applicable		

TSD App. A Page 4

*Tank ID 2 is only required to comply with the general requirements of 60.116(a)&(b) because it has a capacity greater than 75 cubic meters and is storing liquids with a true vapor pressure less than 15 kPa.